EasyLED Full Cutoff Bollard

EasyLED Technology

The EasyLED Full Cutoff Bollards with choice of optics are designed to replace HID lighting systems up to 70w MH or HPS. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Specifications and Features:

Housing:	Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Flat Top. Bollards Can Be Cut to Custom Lengths Upon Request.
Listing & Ratings:	CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.
Finish:	Textured Architectural Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
Style:	360° Light Distribution, 120° Shield or 180° Shield
Lens:	Clear Polycarbonate or LumaLens Polycarbonate Vandal-Resistant Lens
Mounting Options:	Mounting Kit with 8″ Anchor Bolts, Included.
EasyLED LED:	Aluminum Boards
Wattage:	360° 17w Array: 16.6w, System: 18.9w 180° & 120° 16w Array: 15.5w, System: 18.5w; (70w HID Equivalent)
Driver:	Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps. 12V: Electronic Driver, 12-17VAC Input, 50/60Hz, Non-Dimmable
Warranty:	5-Year Warranty for -40°C to +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

L70 25°C 147,000 Hours

12V AVAILABLE

B5OQF
Full Cutoff Bollard with 360° Distribution

B5HQF
Full Cutoff Bollard with 180° Shield

Dimensions	
Diameter (D)	4¾″ (120mm)
Height (A)	40⅛″ (1019mm)

Certification & Listings:

Model	Driver	CCT	Lens	Color	Height	Options
B5OQF1X17=Full Cutoff Bollard - 360° **B5TQF1X16**=Full Cutoff Bollard with 120° Shield **B5HQF1X16**=Full Cutoff Bollard with 180° Shield	**U**=120-277V **V**=12V	**3K**=3000K **4K**=4000K **5K**=5000K	**C**=Clear Polycarbonate Vandal-Resistant Lens **L**=LumaLens Polycarbonate Vandal-Resistant Lens	**Z**=Bronze **B**=Black **W**=White **G**=Gray **C**=Custom (Consult Factory)	**(Leave Blank)**= 40⅛″ Standard Height **30**=30" Height	**SF**=Single Fuse (120-277V Only) **DF**=Double Fuse (120-277V Only) **SP**=Surge Protection **GF1**=GFCI Outlet, 15A, 120V

Order Information Example: **B5OQF1X17U4KCZ30SP**

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Accessories & Replacement Parts:

BREBASE*

NT150BK

NT300SS, NT300SSM

BOADP1

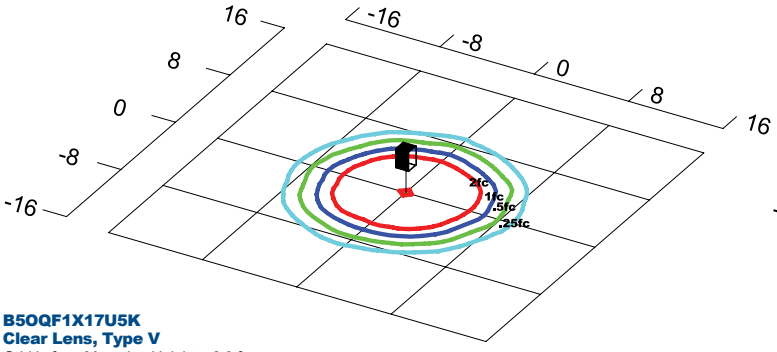
***Shown Mounted**

Mounting Accessories (Order Separately, Field Installed)	
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½″ Dia. x 1½″ H
*Specify Color: Z=Bronze, B=Black, W=White, G=Gray, C=Custom (Consult Factory)	

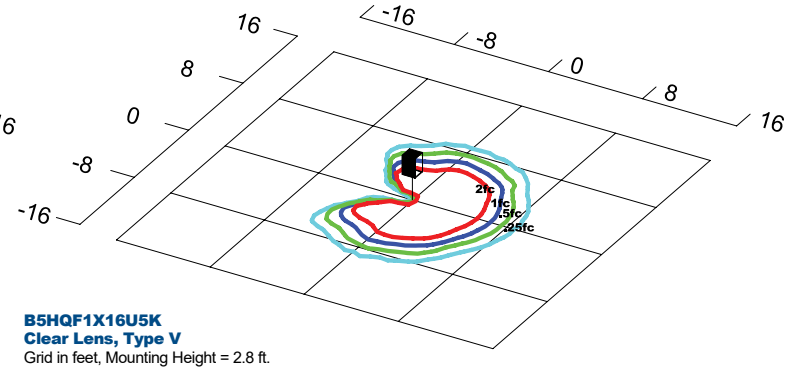
Accessories (Order Separately, Field Installed)	
NT150BK	150w, 120V Black Powdercoat Steel Landscape Transformer, 12V, with Timer and Photocell
NT300SS	300w, 120V Stainless Steel Landscape Transformer, 12V, with Timer and Photocell
NT300SSM	300w, 120V Stainless Steel Landscape Transformer, Multi-Tap 12/14/17V, with Timer and Photocell

Replacement Parts (Order Separately, Field Installed)	
BOADP1*	Adapter Plate with Gaskets for Outlet Boxes. Fits Round Bollards. Die Cast with Powdercoat Finish.
*Specify Color: Z=Bronze, B=Black, W=White, G=Gray, C=Custom (Consult Factory)	

Photometric Data



B5OQF1X17U5K
Clear Lens, Type V
Grid in feet, Mounting Height = 2.8 ft.



B5HQF1X16U5K
Clear Lens, Type V
Grid in feet, Mounting Height = 2.8 ft.

Photometric Performance

				5000 CCT 80 CRI					4000 CCT 80 CRI				
LED Board Watts	Drive Current (mA)	Input Watts	Optics	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
EasyLED 19w	525	19	360° B5O	702	37	0	1	0	674	36	0	1	0
EasyLED 19w	525	19	180° B5H	508	28	0	1	0	488	26	0	1	0

Projected Lumen Maintenance

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	19	1.00	0.95	0.90	0.80	147,000
TM-21-11	**Input Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L70@ 50°C**
L70 Lumen Maintenance @ 50°C / 122°F	19	1.00	0.89	0.78	0.55	67,000
TM-21-11	**Input Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L80@ 40°C**
L80 Lumen Maintenance @ 40°C / 104°F	19	1.00	0.92	0.85	0.70	66,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.